



# PILASTER

FREE STANDING OR WITH WROUGHT IRON FENCE

Revised:

Drawing No:

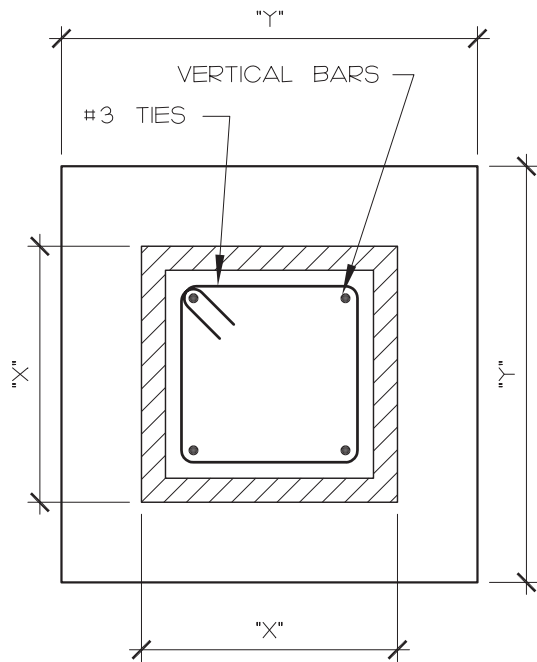
Approved:

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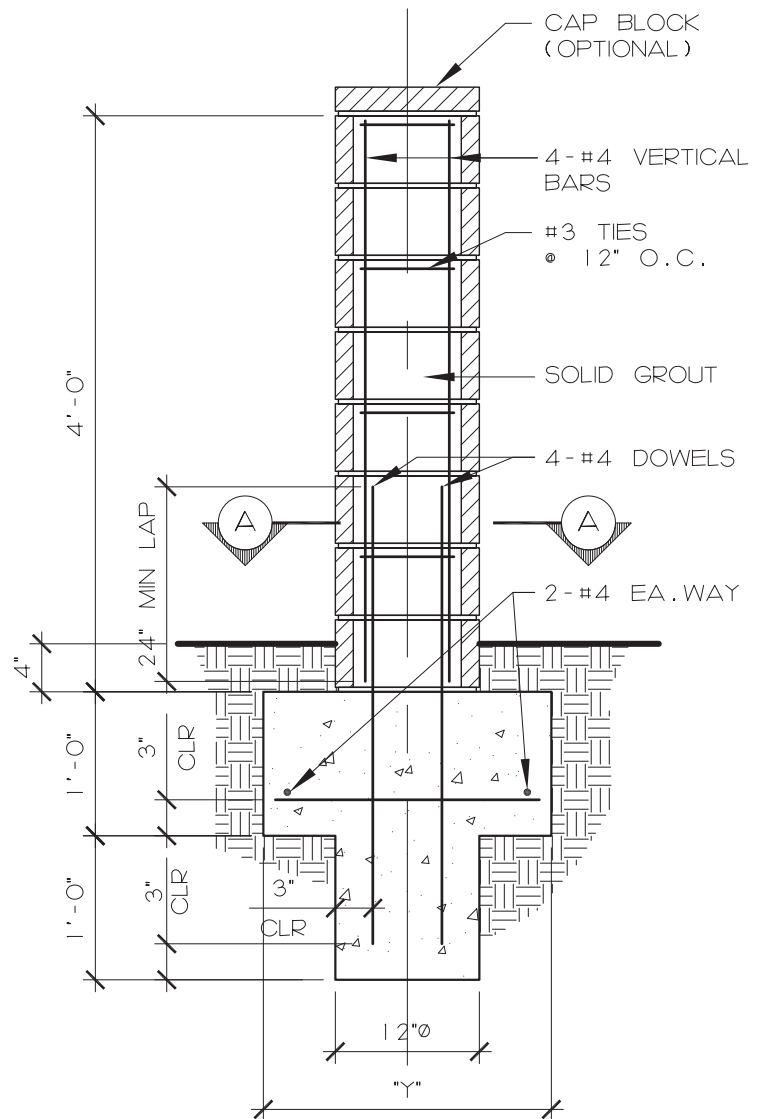
Tony Dormanesh

Date 1/11/13

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"X"	"Y"
12"	2'-0"
16"	2'-4"



SEE OPPOSITE SIDE OF THIS SHEET FOR INSPECTION REQUIREMENTS, CONSTRUCTION REQUIREMENTS, MATERIAL SPECIFICATIONS AND DESIGN CRITERIA



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## NOTES:

### CONSTRUCTION REQUIREMENTS

1. All work shall conform to the 2010 CBC.
2. Minimum reinforcing steel lap splice = 24".
3. Masonry containing reinforcing shall be grouted solid.
4. Minimum 3-inches of concrete cover for reinforcing in footings.

### REQUIRED INSPECTIONS

1. Foundation: Footing excavated with all reinforcing steel placed and supported. Wall location verified.
2. Pre-Grout: All masonry units installed. All vertical and horizontal reinforcing installed and supported.
3. Final Inspection: Fence construction completed and grouted. Final grade of soil installed and compacted adjacent to the fence.

### MATERIAL SPECIFICATIONS

- Concrete Masonry Shall Conform To ASTM C90  
F'm = 1,500 psi
- Mortar: Type M - 2,500 psi or Type S - 1,800 psi
- Grout Shall Conform To ASTM C476, 2,000psi
- Concrete: Minimum 4,000 psi, Type V Cement
- Steel Reinforcing: Grade 60, ASTM A615

### DESIGN CRITERIA

- 2010 CBC with City of Lake Forest Amendments.
- Soil Bearing Value: 1,500 psf.
- Active Soil Pressure: 45.0 psf/ft.
- Passive Soil Pressure: 250.0 psf/ft.
- Soil Density: 250.0 psf.
- Soil Friction: 0.35.
- Wind Load: 14.84 psf.